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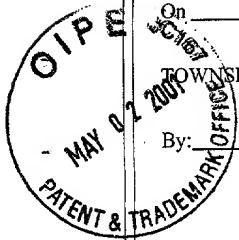
PATENT
Attorney Docket No.: 20143-000110US

Assistant Commissioner for Patents
Washington, D.C. 20231

On April 30, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: Gene Ann Can



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MICHAEL D. POWELL

Application No.: 09/747,748

Filed: December 22, 2000

For: METHOD AND APPARATUS
FOR A CRYPTOGRAPHICALLY
ASSISTED COMMERCIAL
NETWORK SYSTEM
DESIGNED TO FACILITATE
IDEA SUBMISSION,
PURCHASE AND LICENSING
AND INNOVATION TRANSFER

Examiner: Unassigned

Art Unit: Unassigned

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-referenced application, please enter the following amendments and remarks.

IN THE SPECIFICATION:

Page 3, lines 11 through 17, please replace the existing paragraph with the following:

--Therefore, there is a need to utilize the power of the Internet and to allow for the implementation of a unique business model to manage effectively and efficiently a marketplace for raw ideas—in short, to manage innovation. There is a need to allow novice and expert innovators alike to present confidentially or nonconfidentially their ideas, innovations and inventions directly or globally to individuals and companies capable of implementing the innovation and possessing the resources needed to exploit the opportunity.--

2001-04-30 14:24:50

Page 8, lines 16 through 23, please replace the existing paragraph with the following:

--In another embodiment, the terms of an FDI transfer agreement are specified by the originator and included in the FDI transmitted to the user. If user agrees to the terms of transfer and/or terms of use proposed by originator in the FDI, user communicates acceptance to central controller. Central controller timestamps user's response and authenticates user's identity and qualifications. The central controller then assigns a tracking number to user's response, and user's response is stored in an FDI transfer agreement database. At this point, user and originator are parties to a legally binding agreement.--

Page 11, lines 6 through 20, please replace the existing paragraph with the following:

--In an embodiment, the invention is a method of using a computer to conduct a transaction between a user and an originator. A basic description and a corresponding detailed description of the user's unmet need or unsolved problem are input into the computer. The originator is permitted to access the basic description of the user's unmet needs or unsolved problems. For the basic description, the originator is provided an option to access the corresponding detailed description by agreeing to an online license agreement. The originator inputs into the computer an indication of agreement the online license agreement. The originator is provided with access via the computer to the corresponding detailed description. The online license agreement may be a limited duration, exclusive license. After the originator has indicated agreement to the online license agreement, other potential originators are disallowed from accessing the basic description and corresponding description for the duration of the license agreement. The corresponding detailed description may be stored in the computer in encrypted form. The originator is provided with an access key to decrypt the corresponding detailed description after agreeing to the license agreement.--

Page 14, line 23 through page 15, line 5, please replace the existing paragraphs with the following:

--By creating an Internet-based marketplace for ideas and confidential information, the present invention will allow companies of all sizes and in all industries to identify and directly access internally and externally generated innovation in a manner that (i) enables consideration of only relevant innovation, (ii) yields greater return on investment, and (iii) reduces search and transfer transaction costs.

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The present invention recognizes and embraces the power of the Internet and will allow for the implementation of a unique business model to manage effectively and efficiently a marketplace for raw ideas—in short, to manage innovation. The present invention's web-enabled innovation transfer management protocol will allow novice and expert innovators alike to present confidentially or nonconfidentially their ideas, innovations and inventions directly or globally to individuals and companies capable of implementing the innovation and possessing the resources needed to exploit the opportunity.--

Page 17, line 25 through page 18, line 10, please replace the existing paragraphs with the following:

--Under California law, there is no requirement that the idea be "novel" or "reduced to a concrete form." Even though an idea may be common or open to public knowledge, its disclosure is sufficient consideration for the promise to pay for its use upon disclosure. The concepts of "novelty" and "concreteness" speak to the value of the idea and not its protectibility under contract law. A proven idea is necessarily more valuable than an unproven idea; however, the disclosure of either can be consideration for a contract to pay for its use. The Law of Undeveloped Ideas seeks to protect originators who, in attempting to market, exploit or sell their ideas, must disclose them to potential users. It encourages the development and exploitation of those items of lesser or different invention than might be accorded protection under the patent laws, but which items still have an important part to play in the technological, artistic and scientific advancement of the human race. Essentially, Trade Secret Law and the Law of Undeveloped Ideas promote the sharing of knowledge and innovation, and the efficient operation of industry; these laws permit the originator to reap the rewards of his/her/its labor by contracting with a company possessing the necessary resources to develop and exploit it. While trade secret protection is generally lost upon nonconfidential disclosure, the Law of Undeveloped Ideas will enforce contractual obligations between an originator and a user even after the idea is made known to the public at large. This is because the user was given a particular competitive advantage in being the first to consider and exploit the originator's idea.--

Page 21, line 14 through page 22, line 14, please replace the existing paragraphs with the following:

--The method and apparatus of an originator-driven embodiment of the present invention will now be discussed with reference to FIGS. 1a, 2, 3, and 4. In one embodiment, the present invention includes a central controller 200, user interface 300, originator interface 400, and associated databases. The present invention receives FDIs 130a from originators, facilitates the creation by the originator of a nondisclosing synopsis of the FDI 130a (*i.e.*, NDS(FDI) 100a) makes the NDS(FDI) 100a available for viewing by potential users, and allows users conveniently to search for relevant ideas and potentially bind an originator to a license granting the user the right to access and consider the originator's fully disclosed idea. The use of a license ensures that the originator's FDI 130a is disclosed confidentially to potential users, thereby protecting the originator from misappropriation. The license agreement may consist of a license agreement generated by the system, or the submitting originator may submit the originator's FDI subject to a license or nondisclosure agreement developed by the submitting originator. The user may then pass on the idea or initiate an offer to obtain a license, option, preemptive right, or assignment of the FDI 130a. The system utilizes current chat and voice telephony technology and payment protocols to facilitate the negotiation of the terms of an FDI transfer agreement and the transfer of the FDI 130a, or the grant of the right to use the FDI 130a, to the user.

The method and apparatus of a user-driven embodiment of the present invention will now be discussed with reference to FIGS. 1b, 2, 3, and 4. In one embodiment, the present invention includes a central controller 200, user interface 300, originator interface 400, and associated databases. The present invention receives RFPs 130b from users, facilitates the creation by the originator of a nondisclosing synopsis of the RFP 130b, or an NDS(RFP) 100b, makes the NDS(RFP) 100b available for viewing by potential originators, and allows originators conveniently to search for relevant RFPs 130b and potentially bind a user to a license granting the originator the exclusive right to access and consider the user's fully disclosed RFP 130b. The use of a license ensures that the user's RFP 130b is confidentially disclosed to potential originators, thereby protecting the user from unwanted publication or disclosure. The license agreement may consist of a standardized, industry-specific license agreement generated by the system, or the submitting user may submit the user's RFP subject to a license or nondisclosure agreement developed by the soliciting user. The originator may then pass on the RFP 130a or submit a proposed solution to the

soliciting user's RFP 130b, which proposed solution itself comprises an FDI 130a and may be submitted to the soliciting user in the same manner as described for the originator-driven embodiment.--

Page 25, lines 8 through 15, please replace the existing paragraphs with the following:

-- License confirmation database 263 tracks and stores messages sent to originator and user confirming completed, binding license transactions with input fields including originator name, originator identification number, user name, user identification number, license confirmation tracking number, and associated FDI and NDS(FDI) tracking numbers.

License detail database 264 contains standardized, industry-specific licenses providing language binding user to confidentiality and/or other obligations for acceptance by user prior to obtaining access to an FDI 130a.--

Page 29, line 27 through page 30, line 6, please replace the existing paragraph with the following:

--Referring to FIG. 7a, there is illustrated an embodiment in which NDS(FDI) 100a and FDI 130a are activated and made available to potential users. At step 705a, a unique tracking number is added to NDS(FDI) 100a. At step 740a, a unique tracking number is assigned to FDI 130a. Central controller 200 timestamps NDS(FDI) 100a at step 710a and FDI 130a at step 745a, and then stores NDS(FDI) 100a in NDS(FDI) database 260 and FDI 130a in FDI database 261. The NDS(FDI) database 260 and FDI database 261 contain a record for each NDS(FDI) 100a and FDI 130a, respectively, which include fields such as category of FDI, status, originator's contact information, reserve price, expiration date, date received, unique terms, originator ID number, etc. The status field has values of "active," "expired" or "licensed." A status of "active" means the FDI 130a is available to potential users and may be licensed. A status of "expired" means that FDI 130a can no longer be accessed or licensed by potential users. A status of "licensed" means the FDI 130a is currently being accessed by a potential user and the corresponding originator has elected to restrict access to one user at a time.--

Page 30, line 24 through page 31, line 8, please replace the existing paragraph with the following:

--In one embodiment, central controller 200 extracts the category of the FDI 130a, which category may include industry sector (toys, video games, software, network communications, etc.) or segment of FDI (e.g., script, business plan, musical composition, etc.), and posts the FDI 130a in the appropriate category area on a web-site. This would allow central controller 200 to display NDS(FDI) 100a of the corresponding FDI 130a only to the most relevant and appropriate users. In a World Wide Web environment, central controller 200 has a web page for each possible category and/or combination of categories. Thus, each user looking for screenplays (e.g., Hollywood agents or studio executives) would be able to view on the screenplay web page all NDS(FDI)s 100a corresponding to screenplay submissions. Or a potential user looking for particular business plans (e.g., venture capitalist) would be able to view all NDS(FDI)s 100a corresponding to business plans or could view a narrower subset by viewing all NDS(FDI)s 100a corresponding to business plans for companies involved in wireless applications software. Alternatively, a potential user may communicate specific criteria to central controller 200, and central controller 200 will electronically mail all NDS(FDI)s 100a meeting the user's predetermined criteria or will electronically mail a URL link to a web page containing all NDS(FDI)s 100a meeting a user's predetermined criteria. For example, a particular venture capitalist may wish to be notified of all NDS(FDI)s 100a constituting business plans for software companies.--

Page 36, line 32 through page 37, line 8, please replace the existing paragraph with the following:

--In an alternative embodiment, payment to originator by user may be delayed until the rights to the FDI 130a have been adequately transferred to user. Escrow account 269 allows payment to be delayed until originator agrees to the terms of the FDI transfer agreement, which at the same time ensures that user will in fact make payment. Central controller 200 establishes escrow account 269 as a temporary holding account. When originator binds user to FDI transfer agreement at step 1900 and central controller 200 receives originator response at step 1920, funds are removed from user account 268 and placed in escrow account 269 at step 1930. When rights to use FDI 130a, or a physical embodiment of the FDI 130a, is transmitted to user and confirmation of transfer is

received by central controller 200, funds are transferred from escrow account 269 to originator account 255.--

Page 39, lines 1 through 9, please replace the existing paragraph with the following:

--FIG. 16a shows a cryptographic technique using digital signatures to provide authentication and message integrity. As in the asymmetric protocol described above, each user has an associated public and private key. The user signs user response 110a with user's private key at step 1600a using cryptographic processor 310 and transmits user response 110a to central controller 200 at step 1610a. Central controller 200 cryptographic processor 210 extracts the user ID at step 1620a and looks up user's public key at step 1630a, verifying the signature using user's response 110a and the public key of user at step 1640a. If user response 110a is intelligible, then central controller 200 accepts user response 110a as authenticated at step 1650a.--

Page 39, line 30 through page 40, line 2, please replace the existing paragraphs with the following:

--Additional security can be built into the system by using biometric devices such as fingerprint reader, voice recognition system, retinal scanner, facial recognition system and the like. These incorporate a physical attribute into the user response 110a, which is then compared with the value stored in user database 259. Such biometric devices 355 may attach to user interface 300. Many such biometric devices 355 are commercially available and the use of such biometric devices to ensure authenticity of senders is well known in the art and need not be described in detail herein.--

Page 41, lines 23 through 28, please replace the existing paragraph with the following:

--Not all transactions require the transfer of money from user to originator. In a barter transaction, the user may propose in the FDI transfer agreement to swap equity in user's entity or a new entity instead of cash. For instance, if user is a venture capitalist, user may propose establishing a company to exploit the business opportunity represented by originator's FDI 130a. Alternatively, a user may propose to employ originator or to perform services in exchange for the right to use originator's FDI 130a.--

REMARKS

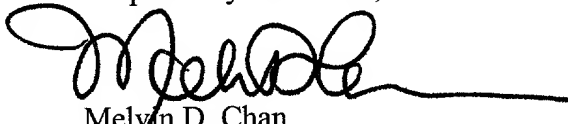
Claims 1-25 are pending in this application. The written description has been amended to make editorial corrections. No new matter has been introduced.

Attached is a marked up version of the changes made to the specification by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

CONCLUSION

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

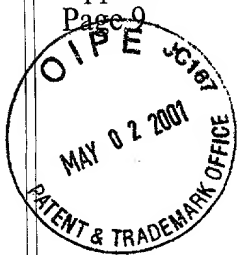
Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Page 3, lines 11 through 17:

Therefore, there is a need to utilize the power of the Internet and to allow for the implementation of a unique business model to manage effectively and efficiently a marketplace for raw ideas—in short, to manage innovation. There is a need to allow novice and expert innovators alike to present confidentially or nonconfidentially their ideas, innovations and inventions directly or globally to individuals and companies capable of implementing the innovation and possessing the resources needed to exploit the opportunity.

Page 8, lines 16 through 23:

In another embodiment, the terms of an FDI transfer agreement are specified by the originator and included in the FDI transmitted to the user. If user agrees to the terms of transfer and/or terms of use proposed by originator in the FDI, user communicates acceptance to central controller. Central controller timestamps user's response and authenticates user's identity and qualifications. The central controller then assigns a tracking number to user's response, and user's response is stored in an FDI transfer agreement database. At this point, user and originator are parties to a legally binding agreement.

Page 11, lines 6 through 20:

In an embodiment, the invention is a method of using a computer to conduct a transaction between a user and an originator. A basic description and a corresponding detailed description of the user's unmet need or unsolved problem are input into the computer. The originator is permitted to access the basic description of the user's unmet needs or unsolved problems. For the basic description, the originator is provided an option to access the corresponding detailed description by agreeing to an online license agreement. The originator inputs into the computer an indication of agreement the online license agreement. The originator is provided with access via the computer to the corresponding detailed description. The online license agreement may **[have]** be a limited duration, exclusive license. After the originator has indicated agreement to the online license agreement, other potential originators are disallowed from accessing the basic description and corresponding description for the duration of the license agreement. The corresponding detailed description may be stored in the computer in encrypted form. The originator

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is provided with an access key to decrypt the corresponding detailed description after agreeing to the license agreement.

Page 14, line 23 through page 15, line 5:

By creating an Internet-based marketplace for ideas and confidential information, the present invention will allow companies of all sizes and in all industries to identify and directly access internally and externally generated innovation in a manner that (i) enables consideration of only relevant innovation, (ii) yields greater return on investment, and (iii) reduces search and transfer transaction costs.

The present invention recognizes and embraces the power of the Internet and will allow for the implementation of a unique business model to manage effectively and efficiently a marketplace for raw ideas—in short, to manage innovation. The present invention's web-enabled innovation transfer management protocol will allow novice and expert innovators alike to present confidentially or nonconfidentially their ideas, innovations and inventions directly or globally to individuals and companies capable of implementing the innovation and possessing the resources needed to exploit the opportunity. **[By creating an Internet-based marketplace for ideas and confidential information, the present invention will allow companies of all sizes and in all industries to identify and directly access internally and externally generated innovation in a manner that (i) enables consideration of only relevant innovation, (ii) yields greater return on investment, and (iii) reduces search and transfer transaction costs.]**

Page 17, line 25 through page 18, line 10:

Under California law, there is no requirement that the idea be “novel” or “reduced to a concrete form.” Even though an idea may be common or open to public knowledge, its disclosure is sufficient consideration for the promise to pay for its use upon disclosure. The concepts of “novelty” and “concreteness” speak to the value of the idea and not its protectibility under contract law. A proven idea is necessarily more valuable than an unproven idea; however, the disclosure of either can be consideration for a contract to pay for its use. The Law of Undeveloped Ideas seeks to protect originators who, in attempting to market, exploit or sell their ideas, must disclose them to potential users. It encourages the development and exploitation of those items of lesser or different invention than might be accorded protection under the patent laws, but which items still have an important part to play in the technological, artistic and scientific advancement of the human race.

Essentially, Trade Secret Law and the Law of Undeveloped Ideas promote the sharing of knowledge and innovation, and the efficient operation of industry; these laws permit the originator to reap the rewards of his/her/its labor by contracting with a company possessing the necessary resources to develop and exploit it. While trade secret protection is generally lost upon nonconfidential disclosure, the Law of Undeveloped Ideas will enforce contractual obligations between an originator and a user even after the idea is made known to the public at large. This is because the user was given a particular competitive advantage in being the first to consider and exploit the originator's idea.

Page 21, line 14 through page 22, line 14:

The method and apparatus of an originator-driven embodiment of the present invention will now be discussed with reference to FIGS. 1a, 2, 3, and 4. In one embodiment, the present invention includes a central controller 200, user interface 300, originator interface 400, and associated databases. The present invention receives FDIs 130a from originators, facilitates the creation by the originator of a nondisclosing synopsis of the **[FDI 130a, or an NDS(FDI) 100a,]** FDI 130a (i.e., NDS(FDI) 100a) makes the NDS(FDI) 100a available for viewing by potential users, and allows users conveniently to search for relevant ideas and **[for users]** potentially **[to]** bind an originator to a license granting the user the right to access and consider the originator's fully disclosed idea. The use of a license ensures that the originator's FDI 130a is disclosed confidentially to potential users, thereby protecting the originator from misappropriation. The license agreement may consist of a license agreement generated by the system, or the submitting originator may submit the originator's FDI subject to a license or nondisclosure agreement developed by the submitting originator. The user may then pass on the idea or initiate an offer to obtain a license, option, preemptive right, or assignment of the FDI 130a. The system utilizes current chat and voice telephony technology and payment protocols to facilitate the negotiation of the terms of an FDI transfer agreement and the transfer of the FDI 130a, or the grant of the right to use the FDI 130a, to the user.

The method and apparatus of a user-driven embodiment of the present invention will now be discussed with reference to FIGS. 1b, 2, 3, and 4. In one embodiment, the present invention includes a central controller 200, user interface 300, originator interface 400, and associated databases. The present invention receives RFPs 130b from users, facilitates the creation by the originator of a nondisclosing synopsis of the RFP 130b, or an NDS(RFP) 100b, makes the

NDS(RFP) 100b available for viewing by potential originators, and allows originators conveniently to search for relevant RFPs 130b and **[for originators]** potentially **[to]** bind a user to a license granting the originator the exclusive right to access and consider the user's fully disclosed RFP 130b. The use of a license ensures that the user's RFP 130b is confidentially disclosed to potential originators, thereby protecting the user from unwanted publication or disclosure. The license agreement may consist of a standardized, industry-specific license agreement generated by the system, or the submitting user may submit the user's RFP subject to a license or nondisclosure agreement developed by the soliciting user. The originator may then pass on the RFP 130a or submit a proposed solution to the soliciting user's RFP 130b, which proposed solution itself comprises an FDI 130a and may be submitted to the soliciting user in the same manner as described for the originator-driven embodiment.

Page 25, lines 8 through 15:

License confirmation database 263 tracks and stores messages sent to originator and user confirming completed, binding license transactions with input fields including originator name, originator identification number, user name, user identification number, license confirmation tracking number, and associated FDI and NDS(FDI) tracking numbers.

License detail database 264 contains standardized, industry-specific **[limited duration]** licenses providing language binding user to confidentiality and/or other obligations for acceptance by user prior to obtaining access to an FDI 130a.

Page 29, line 27 through page 30, line 6:

Referring to FIG. 7a, there is illustrated an embodiment in which NDS(FDI) 100a and FDI 130a are activated and made available to potential users. At step 705a, a unique tracking number is added to NDS(FDI) 100a. At step 740a, a unique tracking number is assigned to FDI 130a. Central controller 200 timestamps NDS(FDI) 100a at step 710a and FDI 130a at step 745a, and then stores NDS(FDI) 100a in NDS(FDI) database 260 and FDI 130a in FDI database 261. The NDS(FDI) database 260 and FDI database 261 contain a record for each NDS(FDI) 100a and FDI 130a, respectively, which include fields such as category of FDI, status, originator's contact information, reserve price, expiration date, date received, unique terms, originator ID number, etc. The status field has values of "active," "expired" or "licensed." A status of "active" means the FDI 130a is available to potential users and may be licensed. A status of "expired" means that FDI 130a

can no longer be accessed or licensed by potential users. A status of "licensed" means the FDI 130a is currently being accessed by a potential user and the corresponding originator has elected to restrict access to one user at a time.

Page 30, line 24 through page 31, line 8:

In one embodiment, central controller 200 extracts the category of the FDI 130a, which category may include industry sector (toys, video games, software, network communications, etc.) or segment of FDI (e.g., script, business plan, musical composition, etc.), and posts the FDI 130a in the appropriate category area on a web-site. This would allow central controller 200 to display NDS(FDI) 100a of the corresponding FDI 130a only to the most relevant and appropriate users. In a World Wide Web environment, central controller 200 has a web page for each possible category and/or combination of categories. Thus, each user looking for screenplays (e.g., Hollywood agents or studio executives) would be able to view on the screenplay web page all NDS(FDI)s 100a corresponding to screenplay submissions. Or a potential user looking for particular business plans (e.g., venture capitalist) would be able to view all NDS(FDI)s 100a corresponding to business plans or could view a narrower subset by viewing all NDS(FDI)s 100a corresponding to business plans for companies involved in wireless applications software. Alternatively, a potential user may communicate specific criteria to central controller 200, and central controller 200 will electronically mail all NDS(FDI)s 100a meeting the user's predetermined criteria or will electronically mail a URL link to a web page containing all NDS(FDI)s 100a meeting a user's predetermined criteria. For example, a particular venture capitalist may wish to be notified of all NDS(FDI)s 100a constituting business plans for software companies.

Page 36, line 32 through page 37, line 8:

In an alternative embodiment, payment to originator by user may be delayed until the rights to the FDI 130a have been adequately transferred to user. Escrow account 269 allows payment to be delayed until originator agrees to the terms of the FDI transfer agreement, which at the same time ensures that user will in fact make payment. Central controller 200 establishes escrow account 269 as a temporary holding account. When originator binds user to FDI transfer agreement at step 1900 and central controller 200 receives originator response at step 1920, funds are removed from user account 268 and placed in escrow account 269 at step 1930. When rights to use FDI 130a, or a physical embodiment of the FDI 130a, is transmitted to user and confirmation of transfer is

received by central controller 200, funds are transferred from escrow account 269 to originator account 255.

Page 39, lines 1 through 9:

FIG. 16a shows a cryptographic technique using digital signatures to provide authentication and message integrity. As in the asymmetric protocol described above, each user has an associated public and private key. The user [sings] signs user response 110a with user's private key at step 1600a using cryptographic processor 310 and transmits user response 110a to central controller 200 at step 1610a. Central controller 200 cryptographic processor 210 extracts the user ID at step 1620a and looks up user's public key at step 1630a, verifying the signature using user's response 110a and the public key of user at step 1640a. If user response 110a is intelligible, then central controller 200 accepts user response 110a as authenticated at step 1650a.

Page 39, line 30 through page 40, line 2:

Additional security can be built into the system by using biometric devices such as fingerprint reader, voice recognition system, retinal scanner, facial recognition system and the like. These incorporate a physical attribute into the user response 110a, which is then compared with the value stored in user database 259. Such biometric devices 355 may attach to user interface 300. Many such biometric devices 355 are commercially available and the use of such biometric devices to ensure authenticity of senders is well [know] known in the art and need not be described in detail herein.

Page 41, lines 23 through 28:

Not all transactions require the transfer of money from user to originator. In a barter transaction, the user may propose in the FDI transfer agreement to swap equity in user's entity or a new entity instead of cash. For instance, if user is a venture capitalist, user may propose establishing a company to exploit the business opportunity represented by originator's FDI 130a. Alternatively, a user may propose to employ originator or to perform services in exchange for the right to use originator's FDI 130a.